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HAMBURG. (M. Rümker.)

1847.	Hamburg M. T. h m s	R. A. ° ′ ″	Decl. ° ′ ″	No. Obs.
Oct. 22	11 13 47·4	76 2 21·2	+13 59 39·2	8
24	9 50 51·2	2 50·0	57 44·3	2
25	10 41 35·3	1 50·9	56 30·5	6
	14 48 46·3	1 31·2	56 19·1	Merid. Circle.
26	10 15 45·4	76 0 32·4	55 43·0	1
27	9 43 40·0	75 58 21·5	54 46·6	5
28	5 37·0	55 57·4	53 43·1	1
29	1 30·0	52 26·3	53 3·5	2
30	9 54 25·3	48 17·8	52 7·3	7
31	14 23 56·3	42 48·1	51 14·0	Merid. Circle.
Nov. 2	9 6 21·7	75 32 52·0	50 2·0	1
8	13 48 32·2	74 43 26·7	46 46·8	Merid. Circle.
9	43 56·5	33 28·7	46 32·0	—
10	39 18·7	22 58·4	46 21·7	—
12	13 29 56·8	74 0 22·2	+13 46 8·6	—

IRIS.

Observations.

MARKREE. Meridian Circle. { E. J. Cooper, Esq. & Mr. Graham.

Greenwich M. T.	R. A. h m s	Decl. ° ′ ″	Parallax.	
Aug. 21·435051	19 51 7·36	−13 42 29·2	+[9·9669] *p*	
Sept. 11·372296	43 34·03	14 15 16·94	[9·9684]	
29·326986	19 48 50·50	25 27·3	[9·9690]	Good
Oct. 19·284242	20 5 58·33	6 20·5	[9·9680]	
21·280346	20 8 13·83	−14 2 21·3	+[9·9678]	

Sept. 11 2d and 3d wires, badly taken; mere glimpses of planet.
Oct. 19 6 wires, not good; planet faint.
21 7 wires, not good; planet faint.

Equatoreal and Square-bar Micrometer.

Greenwich M. T. 1847.	R. A. h m s	Parallax.	Decl. ° ′ ″	Parallax.	No. Obs.
Aug. 19·515320	19 52 30·41	+[8·2555] *p*	−13 38 46·9	+[9·9573] *p*	10
27·460530	47 29·65	[8·0450]	53 8·9	[9·9650]	10
28·455677	46 59·91	[8·0281]	13 55 2·0	[9·9650]	24
Sept. 10·431816	43 35·51	[8·1474]	14 14 17·3	[9·9645]	38
13·437374	43 37·54	[8·1474]	17 37·1	[9·9645]	35
18·415734	44 22·79	[8·1843]	21 58·7	[9·9638]	14
Oct. 9·333986	19 56 6·32	[7·8683]	20 30·2	[9·9674]	6
15·397950	20 1 48·97	[8·3955]	13 6·7	[9·9539]	7
16·352440	2 48·16	[8·1875]	11 31·7	[9·9631]	10
20·361227	20 7 10·70	+[8·2827] *p*	−14 4 17·5	+[9·9598]	7

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The log multipliers of the horizontal parallax will, when added to the log horizontal parallax, give the corrections in time and arc respectively.

Mr. Graham has appended the apparent places of all the stars of comparison, as deduced from Bessel's Zones, with the partial results where several stars have been used. Mr. Graham's reduced places exceed those of Weisse by 0ˢ·09, which must consequently be subtracted from the R.A. here given, to make them comparable with those of other observers who have followed Weisse. The planet has been compared each day the same number of times very nearly with the different stars. The references given below are to Weisse's *Catalogus Stellarum ex Zonis Regiomontanis*, Petropoli, 1846.

Aug. 19	xix.	1306	Sept. 18	xix.	1068, 1160, 1175
27		1182, 1187, 1200	Oct. 9		1319
28		1182	15	xx.	*a*, 81
Sept. 10		1068, 1160, 1175, 1187	16		*a*, 81
13		1068, 1073, 1160, 1175, 1187	20		81, 101

			h m s	° ′ ″	
Aug. 28	App. Place,	1182,	19 46 25·01	−13 56 25·3	Mer. Circle.
Oct. 15	——	*a*	20 2 58·66	−14 13 24·5	——

HAMBURG. Meridian Circle. (M. Rümker.)

1847.	Hamburg M.T. h m s	R.A. ° ′ ″	Decl. ° ′ ″
Sept. 24	7 34 25·5	296 35 7·5	−14 24 27·1
27	23 21·5	296 55 44·3	25 32·0
Oct. 3	4 1·8	297 50 17·0	24 38·4
4	7 0 48·9	298 1 1·2	24 5·8
10	6 42 2·7	299 13 32·7	19 39·6
11	39 0·7	299 27 2·6	18 36·4
14	30 3·7	300 9 51·8	14 51·1
15	27 7·8	300 24 54·3	13 20·3
16	6 24 13·1	300 40 15·2	14 11 38·9
25	5 59 4·5	303 14 19·4	13 53 15·8
26	56 23·3	303 33 0·9	50 45·1
28	51 4·0	304 11 18·6	45 7·8
29	48 24·4		42 11·4::
Nov. 2	38 7·5	305 52 17·7	13 29 35·7
10	18 19·6	308 47 37·4	12 58 36·8
12	5 13 53·0		−12 49 48·4::

Transit. (M. George Rümker.)

	Hamburg M.T. h m s	R. A. ° ′ ″		Hamburg M. T. h m s	R. A. ° ″
Sept. 7	8 38 48·5	295 58 14·6	Sept. 16	8 3 29·3	295 59 18·7
10	26 43·5	53 46·9	27	7 23 21·5	296 55 50·3
13	14 57·1	54 18·7	Oct. 3	4 1·8	297 50 13·9
15	8 7 16·3	295 56 55·6	4	7 0 48·9	298 1 0·7

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